

Title (en)  
DETECTING MOVING FLOWS OF OBJECTS

Title (de)  
ERFASSUNG EINES BEWEGTEN STROMES VON OBJEKTEN

Title (fr)  
DÉTECTION D'UN FLUX MOBILE D'OBJETS

Publication  
**EP 4075394 B1 20230920 (DE)**

Application  
**EP 22163079 A 20220318**

Priority  
DE 102021109078 A 20210412

Abstract (en)  
[origin: US2022327798A1] A camera device for detecting a stream of objects moved relative to the camera device is provided that has an image sensor for recording image data of the objects, a geometry detection sensor for measuring the objects, and a control and evaluation unit that is configured to determine at least one region of interest using measured data of the geometry detection sensor to restrict the evaluation of the image data to the region of interest. In this respect, the image sensor has a configuration unit to enable the reading of only a settable portion of the respectively recorded image data; and the control and evaluation unit is configured only to read a portion of the image data from the image sensor that is determined with reference to the region of interest.

IPC 8 full level  
**G06V 10/20** (2022.01); **G01B 11/04** (2006.01); **G06K 7/10** (2006.01); **G06V 10/24** (2022.01); **G06V 10/25** (2022.01); **G06V 20/64** (2022.01); **G06V 30/424** (2022.01); **H04N 5/222** (2006.01)

CPC (source: CN EP US)  
**G01B 11/04** (2013.01 - EP); **G01B 11/0608** (2013.01 - EP); **G01B 11/24** (2013.01 - EP US); **G01P 3/00** (2013.01 - US); **G01S 7/4865** (2013.01 - US); **G01S 17/10** (2013.01 - US); **G01S 17/86** (2020.01 - US); **G06T 7/20** (2013.01 - US); **G06V 10/20** (2022.01 - EP); **G06V 10/245** (2022.01 - EP); **G06V 10/25** (2022.01 - CN EP US); **G06V 20/52** (2022.01 - CN); **G06V 20/64** (2022.01 - EP); **G06V 30/424** (2022.01 - EP); **H04N 5/77** (2013.01 - US); **H04N 23/90** (2023.01 - US); **H04N 23/959** (2023.01 - US); **G06T 2200/24** (2013.01 - US); **G06T 2207/10016** (2013.01 - US)

Citation (examination)  
EP 1845336 A1 20071017 - SICK AG [DE]

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 4075394 A1 20221019**; **EP 4075394 B1 20230920**; **EP 4075394 C0 20230920**; CN 115209047 A 20221018; DE 102021109078 B3 20221103; JP 2022162529 A 20221024; JP 7350924 B2 20230926; US 2022327798 A1 20221013

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**EP 22163079 A 20220318**; CN 202210381500 A 20220412; DE 102021109078 A 20210412; JP 2022044433 A 20220318; US 202217717343 A 20220411